Most thermoplastic materials have a relatively high CLTE. Some thermoplastic materials may have a CLTE at low temperatures that is similar to the CLTE of metal. However, at higher temperatures the CLTE does not match that of the metal. A preferred thermoplastic material will have a CLTE of less than $2 \times 10^{-5}$ in/in°F, more preferably less than $1.5 \times 10^{-5}$ in/in°F, throughout the expected operating temperature of the motor, and preferably throughout the range of 0-250°F. Most preferably, the CLTE will be between about $0.8 \times 10^{-5}$ in/in°F and about $1.2 \times 10^{-5}$ in/in°F throughout the range of 0-250°F. (When the measured CLTE of a material depends on the direction of measurement, the relevant CLTE for purposes of defining the present invention is the CLTE in the direction in which the CLTE is lowest.)

B1

The CLTE of common solid parts used in a motor are as follows:

| | 23°C | 250°F | |
|---|---|---|---|
| Steel | 0.5 | 0.8 | ($\times 10^{-5}$ in/in°F) |
| Aluminum | 0.8 | 1.4 | |
| Ceramic | 0.3 | 0.4 | |

Of course, if the motor is designed with two or more different solids, such as steel and aluminum components, the CLTE of the thermoplastic material would preferably be one that was intermediate, the maximum CLTE and the minimum CLTE of the different solids, such as 0.65 in/in°F at room temperature and $1.1 \times 10^{-5}$ in/in°F at 250°F.

One preferred thermoplastic material, Konduit OFT-22-11, was made into a thermoplastic body and tested for its coefficient of linear thermal expansion by a standard ASTM test method. It was found to have a CLTE at 23°C of $1.09 \times 10^{-5}$ in/in°F in the X direction and $1.26 \times 10^{-5}$ in/in°F in both the Y and Z directions. (Hence, the relevant CLTE for purposes of defining the invention is $1.09 \times 10^{-5}$ in/in°F.)

**IN THE CLAIMS**

Please cancel claims 2, 25-27 and 38-48 without prejudice.

Please rewrite claims 1, 6, 10, 21 and 24, and add new claims 59-78 as follows.

B2

1. (Amended) A spindle motor comprising:

a) a baseplate;